

## ABSTRACT OF THE DISCLOSURE

The present invention provides a method of inhibiting angiogenesis within a tissue by providing exogenous PEDF to cells associated with the tissue. The presence of exogenous PEDF inhibits angiogenesis within the tissue, in part by  
5 interfering with the ability of vascular endothelia to expand within the tissue. The invention also provides a method for determining the severity of a tumor by assaying for the presence of PEDF within the tumor. To facilitate the inventive methods, the present invention provides pharmaceutical compositions including sources of PEDF.